

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims

~~Claim 1.~~ (Currently amended)[[:]] ~~Bag~~ A bag making device for cross base bags in which tube sections ~~(1)~~ for ~~cross base~~ the bags are processed, ~~whereby the bag making device has the following characteristics:~~ comprising several a plurality of working stations ~~(30, 31)~~ that ~~implement~~ perform different working steps on the tube sections ~~(1)~~, ~~whereby~~ at least one of the working station ~~(30, 31)~~ ~~is~~ stations being equipped with a tool that is mounted on a tool roller ~~(7, 9)~~ and that ~~runs~~ passes through its working position during each rotation of the tool roller ~~(7, 9)~~, at least one conveyor system ~~(3, 4, 6)~~ that conveys the tube sections ~~(1)~~ through ~~several~~ the working stations, ~~(30, 31)~~ and ~~consists essentially of the conveyor system including~~ conveyor belts ~~(3)~~ that are driven by ~~transport discs (4)~~ drive wheels having a larger diameter than the tool roller, and a drive system ~~(5, 12)~~ that drives the drive wheels ~~(4)~~ and the tool ~~rollers (7, 9)~~ roller and ~~coordinates their rotary motions such that at each time one tube section (1) runs~~ passes through at least one working station ~~(30, 31)~~ while each time the tool roller ~~(7, 9)~~ completes a rotation ~~characterized by the fact that~~ and such that the drive wheels ~~(4)~~

~~can be driven by the drive system (5, 12) with lesser have less~~
~~angular speed than the tool roller (7, 9) and that~~

~~the drive wheels (4) have a larger diameter than the tool~~
~~rollers (7, 9).~~

Claim 2. (Currently amended)[[:]] ~~Bag~~ The bag making device in
accordance with claim 1, ~~characterized by a drive system (5, 12)~~
~~that defines a ratio of 2/3 between the angular speed of the drive~~
~~wheels (4) and angular speed of the tool rollers (7, 9)~~ wherein a
ratio of the angular speed of the drive wheels to the angular speed
of the tool roller is 2:3 so that loss of tension associated with
elongation of the conveyor belt during operation is reduced.

Claim 3. (Currently amended)[[:]] ~~Bag~~ The bag making device in
accordance with claim 1, ~~characterized by a drive system (5, 12)~~
~~that diverges torque moment for at least one drive wheel (4) from a~~
~~line gear (12) with the help of a bevel gear (20) and transfers it~~
~~via a planetary gear (21) placed below to the drive wheel (4)~~
wherein the drive wheels are driven by a transfer of torque from a
line gear in communication with a bevel gear that is in
communication with a planetary gear that is in communication with
the drive wheel.

~~Claim 4.~~ (Currently amended)[[:]] ~~Procedure for the~~ A method of
processing tube sections (1) in cross base bags, ~~that has the~~
~~following characteristics:~~ comprising

~~the implementation of several~~ performing working steps on
the tube sections (1) ~~whereby the working steps are carried out in~~
~~different~~ a plurality of working stations (30, 31), ~~whereby~~
including in at least one working station (30, 31) performing a
working step ~~is performed~~ with a tool that is mounted on a rotating
tool roller (7, 9) and that ~~runs~~ passes through its working
position once during each rotation of the roller (7, 9),

~~the conveyance of~~ conveying the tube sections (1) through
the working stations (7, 8, 9, 10) with conveyor belts (3) that are
driven by drive wheels (4), and

~~the drive of~~ driving the drive wheels (4) ~~and with less~~
angular speed than the tool rollers (7, 9) ~~whereby the rotary~~
~~motions of both aforementioned types of rollers (4, 7, 9) are~~
aligned roller such that ~~at each time one tube section (1) runs~~
passes through at least one working station (730 [sic], 31), ~~while~~
each time the tool roller (7, 9) completes a rotation,
~~characterized by the fact that~~

~~the drive wheels (4) are driven with lesser angular speed~~
~~than the tool roller (7, 9).~~

~~Claim 5.~~ (Currently amended) ~~[[:]]~~ ~~Procedure~~ A method in accordance with claim 4, ~~characterized by the fact that ratio of the angular speed of the drive wheels (4) to that of the tool rollers (7, 9) amounts to 2/3~~ wherein a ratio of the angular speed of the drive wheels to the angular speed of the tool roller is 2:3.

~~Claim 6.~~ (Canceled)

7. (New) A bag making device for processing a tube section of a cross base bag, comprising a station that performs a processing step on the tube section, the station having a tool that is mounted on a rotating tool roller such that the tool passes through a processing position during each rotation of the tool roller, a conveyor system that conveys the tube section through the station, the conveyor system including a conveyor belt that is driven by a drive wheel having a larger diameter than a diameter of the tool roller, and a drive system that drives the drive wheel and the tool roller such that the tube section passes through the station each time the tool roller completes a rotation and such that a ratio of an angular speed of the drive wheel to an angular speed of the tool roller is 2:3.

8. (New) A device according to claim 7, further comprising a plurality of the stations that each performs a processing step on

the tube section, and a corresponding plurality of tools mounted on a corresponding plurality of tool rollers.

9. (New) A device according to claim 7, further comprising a pair of deflection wheels associated with the drive wheel, the deflection wheels providing tension on the conveyor belt so as to provide adhesion between the conveyor belt and the drive wheel.

10. (New) A device according to claim 7, wherein the conveyor belt includes a plurality of tensile-stressable metal cords arranged in a horizontal plane and an elastic coating that surrounds the cords.

11. (New) A device according to claim 10, wherein the metal cords have a higher tensile strength than the elastic coating.

12. (New) A device according to claim 7, wherein the drive wheel is driven by a partial transfer of torque from a line shaft in communication with a bevel gear that is in communication with a planetary gear that is in communication with the drive wheel.